

ABSTRACT OF THE DISCLOSURE

A method for determining tone ringing frequency, and an apparatus for implementing the method, which includes the steps of: forming a ZC signal from a tone ringing signal by comparing the tone ringing signal with a threshold, the ZC signal having a succession of alternately rising and falling edges between two ZC signal values; measuring the respective time duration between the adjacent rising and falling edges of the ZC signal; comparing the measured time durations with a predetermined time duration limit value; defining an evaluation start time if a measured time duration is greater than or equal to the time duration limit value, the evaluation start time being the instant of the subsequent edge; defining an evaluation stop time if a measured time duration with an identical ZC signal value to the next-but-one instance is greater than or equal to the time duration limit value, the evaluation stop time being the instant of the subsequent edge; and determining the frequency on the basis of the measured time difference between the evaluation start time and the evaluation stop time.